

Substitute for Form 1449/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;">           INFORMATION DISCLOSURE            STATEMENT BY APPLICANT         </div> <div style="text-align: center; font-size: 0.8em;"> <i>(use as many sheets as necessary)</i> </div> <div style="position: absolute; left: 10px; top: 10px; border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">             OIPE              FEB 10 2005              PATENT &amp; TRADEMARK OFFICE           </div>			Complete if Known	
Application Number		10/750,044		
Filing Date		12/30/2003		
First Named Inventor:		Mario Kabadiyski, et al.		
Art Unit		2122		
Examiner Name		Unassigned		
Attorney Docket Number		006570.P030		
Sheet	1	of	3	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2</sup> (if known)				
✓		US- 6,260,187 B1	07-10-2001	CIRNE		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.


Substitute for Form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/750,044
				Filing Date	12/30/2003
				First Named Inventor:	Mario Kabadiyski, et al.
				Art Unit	2122
				Examiner Name	Unassigned
Sheet	2	of	3	Attorney Docket Number	006570.P030
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
ek		IAN WELCH, et al., "Kava- A Reflective Java Based on Bytecode Rewriting" SpringerLink -Verlag Berling Heidelberg 2000, Chapter, Lecture Notes in Computer Science, W. Cazzola, et al. Editors, Reflection and Software Engineering, LNCS, pages 155-167.			
✓		Wily Technology, Inc., Wily Solutions "How Introscope® Works" – Enterprise Application Management, <a href="http://www.wilytech.com/solutions/products/howWorks.html">http://www.wilytech.com/solutions/products/howWorks.html</a> , 1999-2004, printed 7/2/2004 (1 page).			
✓		BEN STEPHENSON, et al., "Characterization and Optimization of Java Applications" Department of Computer Science, Abstract in Western Research Forum Program & Abstracts, page 20, 2003.			
✓		Wily Technology, Inc., Wily Solutions "Wily Introscope®" – Enterprise Application Management, <a href="http://www.wilytech.com/solutions/products/Introscope.html">http://www.wilytech.com/solutions/products/Introscope.html</a> , 1999-2004, printed 7/2/2004 (2 pgs.).			
✓		Sun Microsystems, Java – J2EE 1.4 Application Server Developer's Guide, "Debugging J2EE Applications" Chapter 4, <a href="http://java.sun.com/j2ee/1.4/docs/devguide/dgdebug.html">http://java.sun.com/j2ee/1.4/docs/devguide/dgdebug.html</a> , 2003, printed 7/2/2004 (11 pgs.).			
✓		Wily Technology, Inc., Wily Technology, Inc., Wily Solutions "The Wily 5 Solution – Enterprise Applications are Your Business", <a href="http://www.wilytech.com/solutions/ibm_family.html">http://www.wilytech.com/solutions/ibm_family.html</a> , 1999-2004, printed 7/2/2004 (2 pgs.).			
✓		AJAY CHANDER et al., "Mobile Code Security by Java Bytecode Instrumentation", Proceedings of the DARPA Information Survivability Conference & Exposition DISCEX-II 2001, June 12-14, 2001, Stanford University and University of Pennsylvania, [*Partially supported by DARPA contract N66001-00-C-8015 and ONR grant N00014-97-1-0505] (14 pgs.).			
✓		Mobile-Code Security Mechanisms for Jini – "Mobile-Code Security Mechanisms for Jini" Download code, DISCEX 2001 Paper, <a href="http://theory.stanford.edu/people/jcm/software/jinifilter.html">http://theory.stanford.edu/people/jcm/software/jinifilter.html</a> , printed 7/2/2004 – (3 pgs.).			
✓		ALLEN GOLDBERG, et al., "Instrumentation of Java Bytecode for Runtime Analysis", Fifth ECOOP Workshop on Formal Techniques for Java-like Programs, July 21, 2003, Kestrel Technology, NASA Ames Research Center, Moffett Field, California USA, (9 pgs.).			
✓		ALGIS RUDYS, et al., "Enforcing Java Run-Time Properties Using Bytecode Rewriting", International Symposium on Software Security (Tokyo, Japan), November 2002, Rice University, Houston, TX 77005, USA (16 pgs.).			
✓		HAN BOK LEE, et al., "BIT: A Tool for Instrumenting Java Bytecodes", originally published in the Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, December 1997, <a href="http://www.usenix.org/">www.usenix.org/</a> (11 pgs.).			

Examiner Signature	<i>Chuck Kendall</i>	Date Considered	12/28/03
--------------------	----------------------	-----------------	----------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Substitute for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/750,044
				Filing Date	12/30/2003
				First Named Inventor:	Mario Kabadiyski, et al.
				Art Unit	2122
				Examiner Name	Unassigned
				Attorney Docket Number	006570.P030
Sheet	3	of	3		
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
ck		REINHOLD PLOSH, Johannes Kepler University Linz, Austria, "Evaluation of Assertion Support for the Java Programming Language", JOT: Journal of Object Technology, Vol. 1, No. 3, Special issue: TOOLS USA 2002 Proceedings, pp. 5-17, <a href="http://www.jot.fm/issues/issue_2002_08/article1">http://www.jot.fm/issues/issue_2002_08/article1</a>			
✓		ETIENNE GAGNON, et al., "Effective Inline-Threaded Interpretation of Java Bytecode Using Preparation Sequences", Sable Research Group, Université du Québec à Montréal and McGill University, Montreal, Canada, January 2003 (15 pgs.).			
✓		GEOFF A. COHEN, et al., Software-Practice and Experience, [Version: 2000/03/06 v2.1] "An Architecture for Safe Bytecode Insertion", Department of Computer Science, Duke University (27 pgs.)			
✓		REYNALD AFFELDT, et al., "Supporting Objects in Run-Time Bytecode Specialization", Department of Graphics and Computer Science, University of Tokyo, ASIA-PEPM '02, September 12-17, 2002, ACM, pp. 50-60.			
✓		NATHAN MACRIDES, Security Techniques for Mobile Code "SANS Security Essentials (GSEC) Practical Assignment Version 1.4", July 11, 2002, (11 pgs.)			
✓		DYLAN McNAMEE, et al., "Specialization Tools and Techniques for Systematic Optimization of System Software", Oregon Graduate Institute of Science & Technology, and University of Rennes/IRISA, ACM Transactions on Computer Systems, 2001, (30 pgs.)			
✓		WEN LI, et al., "Collaboration Transparency in the DISCIPLE Framework", CAIP Center, Rutgers – The State University of New Jersey, Piscataway, NJ, USA, Proceeding of the ACM International Conference on Supporting Group Work (Group '99) November 14-17, 1999, Phoenix, AZ, (10 pgs.)			
✓		JONATHAN DAVIES, et al., Proceedings of the 2nd international conference on "An Aspect Oriented Performance Analysis Environment", 10 pgs., 2003, Boston, Massachusetts March 17 - 21, 2003.			
✓		PETER W. GILL, "Probing for a Continued Validation Prototype", a Thesis Submitted to the Faculty of the Worcester Polytechnic Institute, May 2001, (111 pages)			

Examiner Signature		Date Considered	12/28/06
--------------------	---	-----------------	----------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.